

ABSTRACT

A process and apparatus for coating a filament. The apparatus comprises a reservoir of a photopolymerizable liquid composition, an exposure source emitting actinic radiation to cure the liquid composition, a lens to focus radiation from the exposure source in a plane adjacent to the surface of the liquid composition and a filament holding fixture for immersing at least a portion of the filament at a depth in the liquid composition. Upon exposing the liquid composition adjacent to the portion of the filament to actinic radiation from the exposure source, the liquid composition cures to provide an immersion-coated portion of filament that is covered by a cured layer of the liquid composition.